

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A computer-implemented method for controlling access to a data object stored in a first storage location, the data object having an identifier (ID), the method comprising:
determining whether the data object is being archived by checking whether the ID is stored in a first lock object; and
checking whether the ID is associated with a second storage location; and
granting access to the data object if the ID is not stored in the first lock object and the ID is not associated with a second storage location.

2. (Previously Presented) The method of claim 1, further comprising:
deleting the ID from the first lock object, if the ID is stored in the first lock object and the ID is not associated with a second storage location, after granting access to the data object.

3. (Previously Presented) The method of claim 1, wherein the first lock object comprises a table having a first column for the ID and a second column for a link to the second storage location associated with the ID.

4. (Previously Presented) The method of claim 2, wherein the first lock object comprises a table having a first column for the ID and a second column for a link to the second storage location associated with the ID.

5. (Original) The method of claim 1, wherein the data object comprises one or more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

6. (Currently Amended) The method of claim 1, further comprising:
storing the ID in a second lock object before checking whether the ID is stored in [[a]] the first lock object and before checking whether the ID is associated with [[a]] the second storage location.

7. (Previously Presented) The method of claim 6, further comprising:
checking whether the ID is stored in the second lock object before granting access to the data object; and
denying access to the data object if the ID is not stored in the second lock object.

8. (Currently Amended) A computer system for controlling access to a data object stored in a first storage location, the data object having an identifier (ID), the system comprising:

memory having program instructions;

storage means for storing data;

at least one processor to execute the program instructions to perform a method comprising:

determining whether the data object is being archived by checking
whether the ID is stored in a first lock object; ~~and~~
checking whether the ID is associated with a second storage location; and
granting access to the data object if the ID is not stored in the first lock
object and the ID is not associated with a second storage location.

9. (Previously Presented) The computer system of claim 8, wherein the method further comprises:

deleting the ID from the first lock object, if the ID is stored in the first lock object and the ID is not associated with a second storage location, after granting access to the data object.

10. (Previously Presented) The computer system of claim 8, wherein the first lock object comprises a table having a first column for the ID and a second column for a link to the second storage location associated with the ID.

11. (Previously Presented) The computer system of claim 9, wherein the first lock object comprises a table having a first column for the ID and a second column for a link to the second storage location associated with the ID.

12. (Original) The computer system of claim 8, wherein the data object comprises one or more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

13. (Currently Amended) The computer system of claim 8, wherein the method further comprises:

storing the ID in a second lock object before checking whether the ID is stored in [[a]] the first lock object and before checking whether the ID is associated with [[a]] the second storage location.

14. (Previously Presented) The computer system of claim 13, wherein the method further comprises:

checking whether the ID is stored in the second lock object before granting access to the data object; and

denying access to the data object if the ID is not stored in the second lock object.

15. (Currently Amended) A computer-readable medium comprising instructions for performing a method of controlling access to a data object stored in a first storage location, the data object having an identifier (ID), the method comprising:

determining whether the data object is being archived by checking whether the ID is stored in a first lock object; and

checking whether the ID is associated with a second storage location; and

granting access to the data object if the ID is not stored in the first lock object and the ID is not associated with a second storage location.

16. (Previously Presented) The medium of claim 15, wherein the method further comprises:

deleting the ID from the first lock object, if the ID is stored in the first lock object and the ID is not associated with a second storage location, after granting access to the data object.

17. (Previously Presented) The medium of claim 15, wherein the first lock object comprises a table having a first column for the ID and a second column for a link to the second storage location associated with the ID.

18. (Previously Presented) The medium of claim 16, wherein the first lock object comprises a table having a first column for the ID and a second column for a link to the second storage location associated with the ID.

19. (Original) The medium of claim 15, wherein the data object comprises one or more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

20. (Currently Amended) The medium of claim 15, wherein the method further comprises:

storing the ID in a second lock object before checking whether the ID is stored in [[a]] the first lock object and before checking whether the ID is associated with [[a]] the second storage location.

21. (Previously Presented) The medium of claim 20, wherein the method further comprises:

checking whether the ID is stored in the second lock object before granting access to the data object; and

denying access to the data object if the ID is not stored in the second lock object.

22. (Currently Amended) A memory for storing data for access by a process being executed by a processor, the memory comprising:

a structure for controlling access to a data object stored in a first storage location, the data object having an identifier (ID), the structure comprising:

a first lock object storing the ID and a link, associated with the ID, to a second storage location where the data object is stored, wherein the storage of the ID in the first lock object indicates that the data object is being archived; and

a second lock object storing the ID of the data object.

23. (Previously Presented) The memory of claim 22, wherein the first lock object comprises a table having a first column for the ID and a second column for the link.

24. (Original) The memory of claim 22, wherein the data object comprises one or more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

25. (Original) The memory of claim 23, wherein the data object comprises one or more fields of one or more tables and wherein the ID comprises one or more key fields of the one or more tables.

26. (Original) The memory of claim 22, wherein the first and second lock objects are created by a data moving or data archiving process.

27-28. (Canceled).